ABSTRACT

A method and arrangement for reducing stress in an electrical network. In the method and arrangement, an inrush current caused by a network component or part connected to the live electrical network is minimized, the network component or part being disconnected from and connected to the live electrical network by opening and closing a circuit breaker (3). The current of at least one phase (A, B, C) of the network component or part is measured, the breaking-off moment of the current is determined after the circuit breaker (3) is opened, the optimum closing moment ($T_{OPTIMUM}$) of the circuit breaker (3) is determined on the basis of the breaking-off moment of the current, and the circuit breaker (3) is closed in such a manner that it closes at the optimum closing moment ($T_{OPTIMUM}$).

(Figure 1)